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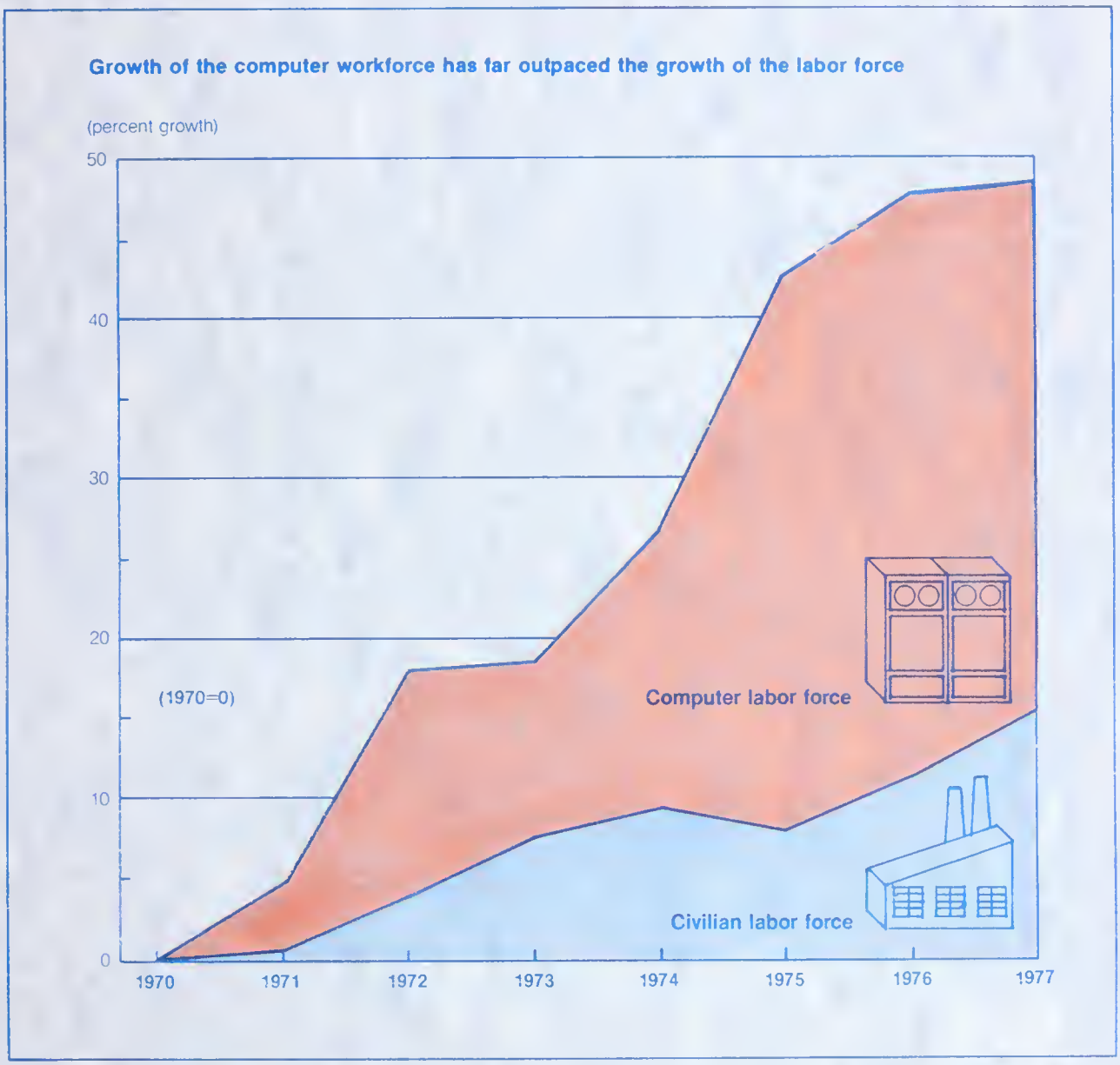

JOB SERVICE

RESEARCH AND ANALYSIS
DEPARTMENT OF LABOR AND INDUSTRY
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MONTANA LABOR/SUPPLY DEMAND ANALYSIS

QUARTERLY REPORT

APRIL - JUNE, 1981

STATE OF MONTANA

TED SCHWINDEN, GOVERNOT

DEPARTMENT OF LABOR AND INDUSTRY
DAVID L. HUNTER, COMMISSIONER

EMPLOYMENT SECURITY DIVISION

Volume 1 - Number 3

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Introduction

This publication features data relating to labor supply and demand for the state of Montana. The data as reported cover the time period of April 1, 1981 through June 30, 1981. All data are reported on a statewide basis.

Description of Area

Geographically, Montana is the fourth largest state encompassing 147,138 square miles. The state's total population, however, is only 786,690 yielding a density of about 5.4 people per square mile. Almost half (47.8%) of the population is clustered around nine communities in the state. Seven of these population centers are in the more scenic, mountainous regions of western Montana.

Montana is bordered by North and South Dakota to the east, Wyoming to the south, and Idaho to the west. To the north, it shares an international boundary with Canada. The Rocky Mountains run north and south through the western part of the state. Very few mountain ranges are found in the eastern portion of the state.

The climate of the state varies with altitude. The average annual precipitation is 15.33 inches; geographically, however, it varies from a low of 9.55 inches in the southern part of the state to a high of 39.22 inches on the western slopes of the Continental Divide. Average maximum daytime temperatures in Montana cities range from 19.4 degrees Fahrenheit in January to 68.0 degrees Fahrenheit in July. Large temperature fluctuations throughout the year are common.

The problems facing Montana's labor force and industry are somewhat reflected in the geography of the state. For the most part, Montanans are attracted to the larger communities of western Montana. Unfortunately, the available jobs are not presently in these areas. Hundreds of miles separate the potential workers from the energy-related job opportunities in the rural areas of eastern Montana.

During the quarter Montana's labor force, particularly in the western part of the state, has continued to feel the effects of a sluggish economy. The wood products industries have operated at very low levels for over a year now. Housing construction also is slow as a result of high interest rates. State and Federal budget cuts have begun to decrease the number of people employed in government. This decrease will probably continue through the next quarter.

In a more positive light, energy development in the eastern part of the state continues to offer employment. Tourism throughout the state is for the most part higher than it was a year ago. Retail trade and hotel/motel operators should benefit.

Montana's civilian labor force in June, 1981 was 408,793 people. At that same time the unemployment rate was 6.7% (not seasonally adjusted).

Limitations of Data

The data presented in this report are rather limited for many reasons. A complete and accurate file of all labor supply and demand data is not readily available. Most of the data presented are taken from the ESARS system, which represents only a small portion of the actual labor supply and demand factors.

The ESARS system in itself has many limitations. Applicants may be registered under one DOT code, although they are actually seeking work in a different classification. This causes an overstatement of supply in one DOT category and an understatement in others. "Active" applicants at the end of a quarter may have been "hired" based on a referral during that quarter. This is due to a paper lag in the system or verification of the hire that has been held back pending actual entry on the job. Similarly, the operational procedures can affect the report of "unfilled jobs". A lag in paperwork concerning job placement or cancellation can cause a discrepancy in the category.

The data are presented on a statewide basis. Consequently, the demand occupations listed in Table 9 are a subset of Table 4, which lists occupations with a surplus of applicants. All of the 1,051 job openings listed in Table 9 theoretically could be filled by qualified applicants listed in Table 4 if the distance between population centers and job sites was not so great. The information provided in these tables would be more beneficial to users if it were broken down into smaller geographic areas.

Labor Supply Analysis

Tables 1 through 4 of this document present the information concerning the labor supply as registered with the Job Service in the state of Montana. Table 1 presents the characteristics of active Job Service applicants. Over half (58.1%) of the 28,521 persons registered are male; approximately, half of the applicants fall in the age range of 22 to 34 years. Most of the applicants (72.8%) have at least a high school education. The bulk of the applicants (91.8%) indicated they were not presently working. About one quarter have unemployment claims filed.

Total available applicants at the end of the quarter by occupational category and characteristics are given in Tables 2 and 3. Partial applicants are not included in these data, thus reducing the active applicants total by 1,398. Partial applicants, however, do receive equal service from the Job Service.

The four largest occupational categories of applicants are Clerical and Sales (6,156), Service (6,344), Structural (4,349), and Miscellaneous (4,079). These four categories comprise 77.2% of the available applicants. Females comprise 79.1% of Clerical and Sales applicants and 66.5% of Services, while Sales dominate Structural and Miscellaneous with 97.0% and 91.2% respectively. A little more than 50% of the economically disadvantaged applicants are registered in categories dominated by female applicants--Clerical, Sales and Service. Ninety-six percent of the applicants are considered fully qualified for the jobs for which they are registered, leaving only 4% as entry level applicants.

Table 4 provides a listing of occupations which have ten or more applicants registered with Job Service. The occupations listed in this table have not varied much over the last three quarters.

Table 5 provides a list of apprenticeship activities by trade. A total of 1,670 active apprenticeships remained at the end of the quarter. Almost one-third (30.8%) of the apprentices were clustered in the categories of Carpenter, Electrician, Plumber, and Electrician Lineman.

Labor Demand

Tables 6 through 9 of the document present labor demand information for the quarter. Tables 10 through 15 provide information concerning projected labor demand for the year 1985. The latter set of tables is presented for the user's information; an analysis is not provided.

Table 6 shows employment by non-farm industry as of June, 1981. In analyzing the table, it is quite apparent that the bulk of the employment (64.3%) is in the industries of Retail Trade, Service and Miscellaneous, and Public Administration.

Job openings available by industry for the quarter are outlined in Tables 7 and 8. Over half of the openings received (55.6%) and openings filled (55.1%) were in Retail Trade and Services. Typically, these jobs have high turnover rates due to low pay, odd hours of work, lack of career ladder, and poor working conditions. Some sales positions have the added factor of working on a commission basis. Almost half (46.2%) of the positions unfilled at the end of the quarter are in Clerical, Sales and Services.

Table 9 provides a listing of occupations which had ten or more openings at the end of the quarter. Here again the data show the bulk of the openings (52.5%) to be in occupations generally found in Clerical, Sales and Services. It is surprising that 285 vacancies (29.0%) are teaching positions when there is a surplus of teachers listed in Table 4. Here again the distribution of workers within the state provides the answer.

Trends in Computer Occupations

In the past ten years, the rate of growth of the computer workforce has more than doubled the rate of growth of the total labor force. Advancements in computer technology have increased and diversified the role of the computer throughout the industrial world. Consequently, the demand for additional skilled workers in computer occupations has been high and will continue to be high in the eighties. The overall employment in computer occupations is expected to double again in the next ten years.

Although computer occupations permeate all industries and most locales, an overwhelming majority are concentrated in some 100 highly industrialized, highly populated market areas. Persons contemplating a career in the field of computer technology, therefore, should be prepared to live near one of these metropolitan areas.

Computer occupations do exist in Montana on a limited basis and mainly in the larger communities. Due to the limited demand for computer personnel, salaries in Montana may not be competitive with comparable positions in areas where the demand is greater.

Five major computer occupations comprise the computer workforce: systems analysts, programmers, computer operators, keypunch operators, and technicians. An overall summary of these five occupations follows. The average salary figures are based on 1980 national data. Due to technological advances and

changes in methods of operation, the growth rate among the various computer occupations will vary.

Systems Analysts. The basic functions of a systems analyst are to determine how the computer system is applied to the user's problems and to design effective and efficient solutions for the problems. Educational requirements for analysts vary depending upon the employing firm. Most employers prefer people with programming experience. Some insist on a bachelor's degree in computer science, information science, or data processing. Still others prefer applicants with an educational backround in a field related to the user's concerns plus education or experience in programming. Beginning analysts average about $17,000 while experienced analysts range from $22,000 to $26,000. Employment for analysts has grown 77 percent over the last decade and is projected to grow 120 percent in the eighties.

Computer Programmers. Programmers fall into two categories: system programmers and application programmers. System programmers provide the computers with the necessary programs in order that the machine can understand the specific computer languages and can control the peripheral equipment such as printers. Application programmers write the programs that make the computer perform particular tasks. Most programmers are college graduates. Educational requirements vary from employer to employer. Some high schools as well as vocational schools, junior colleges, and universities offer coursework in computer programming. Depending on their needs, some employers require coursework in accounting, physical sciences, engineering, mathematics, and/or computer science. System programmers average somewhat higher salaries than application programmers. Beginning system programmers receive about $16,000 per year with application programmers getting $14,000. Experienced system programmers range from $24,000 to $26,000 compared to $21,000 to $23,000 for application programmers. Employment for programmers has increased by 40 percent over the past ten years and is projected to grow by 102 percent in the eighties.

Computer Operators. Computer operators are the workers who actually run the computer. They have numerous functions to perform. Some of these tasks include following instructions for each job, loading input, monitoring the machine while it is running, checking output, and clearing the system. Computer operators have to be somewhat knowledgeable of machine capability and what to do if the equipment breaks down. High school graduation is the minimum requirement for a computer operator, but many employers prefer postsecondary training. Several months of on-the-job training are required to be sufficiently trained. Beginning operators earn about $10,000 per year; experienced workers average from $14,000 to $20,000. Employment for computer operators increased by 177 percent during the seventies and is expected to increase another 116 percent during the eighties.

Keypunch Operators. The title "keypunch operator" is giving way to more general titles such as "data entry operator". Most operators use machines with keyboards similar to a typewriter. Their responsiblities are to input data to tape, disks, or cards depending on machine and user need. Manual dexterity is of importance in performing these tasks. Data entry work can be stressful and monotonous. On-the-job training or coursework in data entry at a high school, vocational school, or community college is desired by many employers. Beginning data entry operators average about $10,000 while more experienced personnel range between $10,000 and $13,000. Employment of key-

punch operators has decreased in the last decade by 9 percent and is projected to decline another 16 percent by 1990. This decline is due to technological advances in alternative methods of data entry, such as optical scanners.

Computer Technicians. Computer service technicians are responsible for installing and servicing computer systems. They may also be titled as field engineers or customer engineers. One to two years of postsecondary training in basic electronics or electrical engineering are needed in order to get into a trainee position as a computer technician. Training may take as little as six months or as much as two years. Average earnings for a fully trained technician are approximately $20,000; more experienced technicians average about $22,000. Employment of computer technicians increased by 70 percent during the seventies and is expected to grow another 154 percent in the eighties.

TABLE 1

CHARACTERISTICS OF ACTIVE JOB SERVICE APPLICANTS

END OF QUARTER -- JUNE 30, 1981

CHARACTERISTICS OF APPLICANTS	TOTAL	PERCENT OF TOTAL
TOTAL	28,521	100.0
SEX		
Male	16,563	58.1
Female	11,958	41.9
AGE		
15 and Under	321	1.1
16 - 17	1,312	4.6
18 - 19	3,108	10.9
20 - 21	3,007	10.5
22 - 24	3,974	13.9
25 - 29	5,350	18.8
30 - 34	3,764	13.2
35 - 39	2,462	8.6
40 - 44	1,697	5.9
45 - 54	2,150	7.5
55 - 64	1,227	4.3
65 and Over	149	0.5
EDUCATION		
0 - 7	527	1.8
8 - 11	7,229	25.3
12	12,568	44.1
Over 12	8,197	28.7

SOURCE: ESARS TABLE 06.

TABLE 1 (cont.)

CHARACTERISTICS OF ACTIVE JOB SERVICE APPLICANTS

END OF QUARTER -- JUNE 30, 1981

CHARACTERISTICS OF APPLICANTS	TOTAL	PERCENT OF TOTAL
EMPLOYMENT STATUS		
Full Time	1,323	4.6
Part Time	1,010	3.5
Not Working	26,188	91.8
OTHER		
Minority	2,905	10.2
Veteran	5,821	20.4
Claimant	7,207	25.3
Handicapped	2,014	7.1
Economically Disadvantaged	6,289	22.0

TABLE 2

TOTAL AVAILABLE JOB SERVICE APPLICANTS *

END OF QUARTER -- JUNE 30, 1981

OCCUPATION	TOTAL	PERCENT OF TOTAL	FULLY QUALIFIED APPLICANTS	PERCENT OF TOTAL	ENTRY LEVEL APPLICANTS	PERCENT CHANGE
TOTAL	27,123	100.0	26,020	100.0	1,103	100.0
Prof, Tech, Mgr.	2,996	11.0	2,886	11.1	110	10.0
Clerical, Sales	6,156	22.7	5,778	22.2	378	34.3
Service	6,344	23.4	6,075	23.3	269	24.4
Agricultural	1,257	4.6	1,213	4.7	44	4.0
Processing	276	1.0	252	0.9	24	2.2
Machine Trades	1,371	5.1	1,318	5.1	53	4.8
Bench Work	236	0.9	232	0.9	4	0.4
Structural	4,349	16.0	4,256	16.4	93	8.4
Miscellaneous	4,079	15.0	3,951	15.2	128	11.6
Invalid Codes	59	0.2	59	0.2	---	----

* Does not include partial applications.
SOURCE: ESARS TABLE 96.

TABLE 3

CHARACTERISTICS OF JOB SERVICE APPLICANTS BY OCCUPATIONAL CATEGORY*

END OF QUARTER -- JUNE 30, 1981

CHARACTERISITCS OF APPLICANTS	TOTAL	PROFESSION. TECHNICAL & MANAGER	CLERICAL & SALES	SERVICE	AGRICULTURAL FISHERIES, & FORESTRY	PROCESSING	MACHINE TRADES	BENCH WORK	STRUCTURAL	MISC.	MISCODED
TOTAL	27,123	2,996	6,156	6,344	1,257	276	1,371	236	4,349	4,079	59
SEX											
Male	15,675	1,594	1,288	2,126	1,074	189	1,273	145	4,220	3,721	45
Female	11,448	1,402	4,868	4,218	183	87	98	91	129	358	14
AGE											
Under 22	7,163	102	1,487	2,274	361	56	193	36	833	1,178	15
22 - 44	16,599	2,341	3,601	2,917	647	153	975	162	2,965	2,370	159
45 and Older	3,361	443	690	884	205	43	150	34	458	403	11
OTHER											
Minority	2,706	228	428	802	148	25	64	47	581	376	7
Veteran	5,674	714	575	548	360	77	557	63	1,592	1,170	18
Economically Disadvantaged	6,103	307	1,129	2,004	321	78	269	72	969	935	19

* Excludes applicants whose status is unknown.

SOURCE: ESARS TABLE 96.

TABLE 4

ACTIVE JOB SERVICE APPLICANTS
OCCUPATIONS WITH 10 OR MORE APPLICANTS
END OF QUARTER -- JUNE 30, 1981

DOT CODE	OCCUPATIONAL TITLE	TOTAL ACTIVE APPLICANTS END OF QUARTER
001-261-010	Drafter, Architectural	22
003-161-014	Electronics Technician	28
005-061-014	Civil Engineer	15
007-161-026	Mech.-Engineer Technician	13
022-061-010	Chemist	14
040-061-034	Forester	21
041-061-030	Biologist	22
045-107-010	Counselor	79
075-374-010	Nurse, General Duty	26
079-367-010	Medical Assistant	12
079-371-010	Dental Assistant	34
079-374-014	Nurse, Lincensed Practical	58
090-227-010	Faculty Member, College	14
091-227-010	Teacher, Secondary	140
092-227-010	Teacher, Elementary	157
110-107-010	Lawyer	16
131-267-026	Writer, Technical	19
160-167-010	Accountant	105
163-167-018	Manager Sales	23
165-067-010	Public Relations Representative	13
169-167-010	Administrative Assistant	178
169-167-034	Manager, Office	49
182-267-010	Construction Inspector	10
185-167-046	Manager, Retail Store	80
187-167-106	Manager, Food Service	47
189-167-034	Security Officer	21
195-107-010	Caseworker	30
195-107-022	Group Social Worker	16
201-362-010	Legal Secretary	56
201-362-014	Medical Secretary	13
201-362-030	Secretary	355
202-362-014	Stenographer	14

SOURCE: ESARS TABLE 96.

TABLE 4 (cont.)

ACTIVE JOB SERVICE APPLICANTS
OCCUPATIONS WITH 10 OR MORE APPLICANTS
END OF QUARTER -- JUNE 30, 1981

DOT CODE	OCCUPATIONAL TITLE	TOTAL ACTIVE APPLICANTS END OF QUARTER
203-362-010	Clerk Typist	173
203-582-030	Keypunch Operator	58
206-362-010	File Clerk	25
209-562-010	Clerk, General	749
209-587-026	Mail Clerk	11
210-382-014	Bookkeeper, Full Charge	319
210-382-018	Bookkeeper II	72
211-362-010	Cashier	51
211-362-018	Teller	51
211-462-010	Cashier II	319
213-362-010	Computer Operator	48
216-482-010	Accounting Clerk	36
219-362-010	Administrative Clerk	530
222-387-058	Stock Clerk	105
235-462-010	Switchboard Operator	26
235-662-022	Telephone Operator	27
237-367-038	Receptionist	240
238-362-010	Hotel Clerk	60
249-367-074	Teacher Aide II	119
250-257-010	Sales Agent, Insurance	10
261-357-066	Sales, Women's Apparel	16
273-353-010	Sales, Auto	25
279-357-054	Sales, General Merchandise	270
279-357-062	Sales, Parts	44
290-477-014	Sales Clerk	560
290-477-018	Sales Clerk, Food	39
292-353-010	Driver, Sales Route	33
301-474-010	Houseworker, General	107
309-677-010	Companion	14
311-477-014	Counter Attendant	586
311-677-010	Cafeteria Attendant	17

TABLE 4 (cont.)

ACTIVE JOB SERVICE APPLICANTS
OCCUPATIONS WITH 10 OR MORE APPLICANTS
END OF QUARTER -- JUNE 30, 1981

DOT CODE	OCCUPATIONAL TITLE	TOTAL ACTIVE APPLICANTS END OF QUARTER
312-474-010	Bartender	342
313-361-014	Cook (Hotel and Restaurant)	417
313-361-022	Cook, Short Order	100
315-361-010	Cook	88
316-684-018	Sandwich Maker	45
317-687-010	Cook Helper	20
318-687-010	Kitchen Helper	548
323-687-014	Cleaner, Housekeeper	335
332-271-010	Cosmetologist	33
355-377-014	Psychiatric Aide	18
355-674-014	Nurse's Aide	388
355-674-018	Orderly	25
359-677-010	Attendant, Children's Institution	21
359-677-018	Nursery School Attendant	35
361-687-018	Laundry Laborer	30
372-667-034	Security Guard	58
372-667-038	Merchant Patroller	32
373-364-010	Fire Fighter	15
375-263-014	Police Officer	30
382-664-010	Janitor	443
452-364-010	Forester Aide	202
509-686-010	Laborer, General	50
526-381-010	Baker	17
529-687-186	Sorter, Agricultural Produce	22
600-280-022	Machinist	75
620-261-010	Auto Mechanic	251
620-261-022	Construction Equipment Mechanic	25
621-281-014	Airframe and Power Plant Mechanic	24
625-281-010	Diesel Engine Mechanic	91
625-281-034	Small Engine Mechanic	24
637-261-026	Refrigeration Mechanic	12
638-281-014	Maintenance Mechanic	46

TABLE 4 (cont.)

ACTIVE JOB SERVICE APPLICANTS
OCCUPATIONS WITH 10 OR MORE APPLICANTS
END OF QUARTER -- JUNE 30, 1981

DOT CODE	OCCUPATIONAL TITLE	TOTAL ACTIVE APPLICANTS END OF QUARTER
638-281-018	Millwright	26
660-280-010	Cabinetmaker	18
787-682-046	Sewing Machine Operator	12
804-281-010	Sheet Metal Worker	22
805-261-014	Boilermaker	36
807-381-010	Auto Body Repairer	74
819-384-010	Welder, Combination	214
824-261-010	Electrician	121
828-281-010	Electronic Mechanic	26
829-281-014	Electrical Repairer	11
840-381-010	Painter	102
844-364-010	Cement Mason	28
859-683-010	Operating Engineer	274
860-381-022	Carpenter	435
861-381-018	Bricklayer	17
862-381-010	Aircraft Mechanic	20
862-381-018	Pipefitter	16
862-381-030	Plumber	31
864-381-010	Carpet Layer	13
866-381-010	Roofer	46
869-664-014	Construction Worker	892
899-381-010	Maintenance Repairer	88
904-383-010	Tractor-Trailer Truck Driver	168
905-663-014	Truck Driver, Heavy	406
906-683-022	Truck Driver, Light	164
913-463-010	Bus Driver	106
915-467-010	Auto Service Station Attendant	163
919-687-014	Cleaner	13
920-587-018	Packager, Hand	18
920-687-014	Bagger	49
929-683-010	Logging Tractor Operator	60

TABLE 4 (cont.)

ACTIVE JOB SERVICE APPLICANTS
OCCUPATIONS WITH 10 OR MORE APPLICANTS
END OF QUARTER -- JUNE 30, 1981

DOT CODE	OCCUPATIONAL TITLE	TOTAL ACTIVE APPLICANTS END OF QUARTER
929-687-030	Material Handler	1,368
930-684-026	Rotary Driller Helper	54
950-382-026	Stationary Engineer	11

TABLE 5
APPRENTICESHIP ACTIVITIES BY TRADE
YEAR TO DATE -- JUNE 30, 1981

TRADE	ACTIVE BEGINNING OF QUARTER	NEW	CANCELLED	COMPLETED	TOTAL ACTIVE END OF QUARTER
Airconditioning Mechanic	1	0	0	0	1
Aircraft Mechanic	1	2	0	0	3
Amusement Machine Mechanic	6	1	1	0	6
Architect	0	0	0	0	0
Assembly Line Meat Cutter	2	0	0	0	2
Auto Body Fendermen	39	7	6	3	37
Automotive Electrician	1	0	0	1	0
Automotive Mechanic	94	10	13	10	81
Automotive Mechanic H.D.	24	4	10	3	15
Automotive Radiator Repairer	0	0	0	0	0
Baker	26	20	11	5	30
Barber	0	1	0	0	1
Boilermaker	16	12	0	0	28
Bookbinder	4	1	0	0	5
Bricklayer	36	2	5	0	33
Business Machine Mechanic	11	8	7	5	7
Butcher	0	0	0	0	0
Cabinet Maker	14	4	3	4	11
Cable Splicing Technician	1	0	0	0	1
Camera Repairman	0	0	0	0	0
Canvas Worker	1	0	1	0	0
Carpenter	245	64	75	24	210
Carpet Layer	0	1	0	0	1
Cash Register Technician		0	1	0	0
Cement Finisher	22	1	0	0	23
Centerless Grinder Operator	1	1	0	0	2
Combination Serviceman	2	0	0	0	2
Combination Technician	14	12	3	6	17
Commercial & Graphic Design	0	0	0	0	0
Contact Lens Lab Technician	0	0	0	0	0
Cook	1	0	0	0	1
Dental Instrument Maker	3	1	1	0	3

SOURCE: APPRENTICESHIP BUREAU, DEPARTMENT OF LABOR AND INDUSTRY.

TABLE 5 (cont.)
APPRENTICESHIP ACTIVITIES BY TRADE
YEAR TO DATE -- JUNE 30, 1981

TRADE	ACTIVE BEGINNING OF QUARTER	NEW	CANCELLED	COMPLETED	TOTAL ACTIVE END OF QUARTER
Dental Technician	1	0	0	1	0
Diesel Mechanic	45	12	14	14	29
Draftsman	5	1	0	1	5
Dry Cleaner	0	1	0	0	1
Drywall Finisher	5	0	1	1	3
Electric Appliance Mechanic	6	6	2	0	10
Electric Motor Repairer	1	1	0	0	2
Electric Sound & Coin Mach.	1	1	1	0	1
Electrician	107	22	11	2	116
Electrician Lineman	94	6	5	3	92
Electrician Serviceman	1	0	0	0	1
Electrician Signal Systems	1	0	0	0	1
Electronic Technician	4	6	5	0	5
Electronics Equipment Mech.	1	0	0	0	1
Electroplater	2	0	0	0	2
Estimator	0	0	0	0	0
Farm Equipment Mechanic	19	3	1	3	18
Fiberglass Repairer	1	1	1	0	1
Field Engineer Computer Spec.	0	1	0	0	1
Fire Fighter	3	0	0	0	3
Floor Coverer	10	2	3	1	8
Fork Lift Mechanic	0	0	0	0	0
Frame Attendant	0	0	0	0	0
Gas Engine Repairman	1	1	0	0	2
Gas Fitter	3	0	0	0	3
Gas Serviceman (Main. & Repair)	0	0	0	0	0
Gem Cutter	1	0	0	0	1
Gemologist	1	1	2	0	0
General Merchandise Retail Sales Clerk	1	0	0	1	0
Geophysical Prospector	1	0	0	0	1

TABLE 5 (cont.)
APPRENTICESHIP ACTIVITIES BY TRADE
YEAR TO DATE -- JUNE 30, 1981

TRADE	ACTIVE BEGINNING OF QUARTER	NEW	CANCELLED	COMPLETED	TOTAL ACTIVE END OF QUARTER
Glazier	14	4	6	3	9
Granite Craver & Polisher	0	0	0	0	0
Gun Smith	0	1	0	0	1
Heavy Equipment Mechanic	21	0	0	0	21
H.D. Repair and Welder	5	0	0	0	5
Horseshoer	0	1	0	0	1
Hydraulic Equipment Operator	1	0	1	0	0
Hydro Substation Operator	4	0	1	0	3
Installation Technician	67	23	3	21	66
Instrument Repairman	4	1	1	0	4
Insulation Installer	0	0	0	0	0
Ironworker	78	20	17	14	67
Jeweler	4	1	0	3	2
Lather	0	0	0	0	0
Lead Burner	0	0	0	0	0
Lens Grinder	6	0	2	2	2
Lineman	16	12	3	11	14
Linotype Machinist	0	0	0	0	0
Lithographer	1	0	0	0	1
Locksmith	0	0	0	0	0
Machinist	38	8	9	5	32
Mailer	2	0	0	0	2
Maintenance Engineer	0	0	0	0	0
Maintenance Mechanic	14	4	0	1	17
Meat Cutter	57	16	9	11	53
Medical Technologist	0	1	0	0	1
Meter & Relay Mechanic	1	0	0	0	1
Millwright	0	4	0	0	4
Mobile Home Repairman	0	0	0	0	0
Molder	2	0	0	0	2
Monument Maker	0	0	0	0	0
Motor Boat Mechanic	3	1	0	0	4

TABLE 5 (cont.)
APPRENTICESHIP ACTIVITIES BY TRADE
YEAR TO DATE -- JUNE 30, 1981

TRADE	ACTIVE BEGINNING OF QUARTER	NEW	CANCELLED	COMPLETED	TOTAL ACTIVE END OF QUARTER
Motor Cycle Mechanic	8	1	2	1	6
Motor Repair and Winder	0	1	0	0	1
Operator	51	7	28	8	22
Ophthalmic Finish & Assembly	2	0	0	0	2
Optician (Dispensing)	2	3	0	0	5
Orthotist-Prothestist	2	0	0	1	1
Outside Plant Technician	54	4	3	14	41
Painter	20	15	9	4	22
Para Medic	2	0	0	0	2
Partsman	37	5	5	4	33
Photocomposition Typographer	0	0	0	0	0
Photographer	3	1	1	0	3
Photo Engraver	1	0	0	0	1
Pipefitter	47	9	1	3	52
Pinsetter Mechanic	4	1	0	0	5
Plant Mechanic	3	0	0	0	3
Plasterer	0	0	0	0	0
Plater (Electroplater)	0	1	0	0	1
Plumber	88	33	7	17	97
Pressman	13	1	0	0	14
Printer	0	1	0	0	1
Private Branch Exchange Inst.	0	1	0	0	1
Protective System Install.	1	0	1	0	0
Pump Repairer	0	1	0	0	1
Radio Comm. Equipment Instal.	3	1	1	1	2
Radio Communications Tech.	2	0	0	0	2
Radio & T.V. Repairer	6	5	1	1	9
Roofer	6	7	0	1	12
Saddlemaker	0	0	0	0	0
Saw Smith	3	0	0	2	1
Screw Machine Operator	0	0	0	0	0
Serviceman I	0	1	1	0	0

TABLE 5 (cont.)
APPRENTICESHIP ACTIVITIES BY TRADE
YEAR TO DATE -- JUNE 30, 1981

TRADE	ACTIVE BEGINNING OF QUARTER	NEW	CANCELLED	COMPLETED	TOTAL ACTIVE END OF QUARTER
Serviceman III	0	2	1	0	1
Serviceman IV	3	0	3	0	0
Sewing Machine Mechanic	2	0	0	0	2
Sheet Metal Worker	53	2	3	5	47
Shoe Repairer	2	1	1	0	2
Shop Attendant	2	0	2	0	0
Sign Electrician	4	0	2	0	2
Sign Painter	5	2	2	3	2
Small Engine Repairer	3	0	2	1	0
Sprinkler Fitter	15	0	0	3	12
Stationary Engineer	1	0	0	0	1
Steamfitter	1	1	0	0	2
Stereotyper	0	0	0	0	0
Stonemason	0	0	0	0	0
Surveyor	5	0	1	1	3
Switching Equipment Tech.	8	1	1	3	5
Thermal Generation Instrument Control Technician	0	7	0	1	6
Thermal Generation Mechanic	13	8	0	3	18
Thermal Generation Operator	19	29	5	6	37
Tile Setter	1	0	0	0	1
Toll Testing Technician	39	5	1	15	28
Tool & Die Maker	0	0	0	0	0
Transmission Mechanic	4	1	3	2	0
Upholsterer	7	1	0	0	8
Utility Electrician	0	2	0	0	2
Utility Meterman	2	1	0	3	0
Utility Relayman	3	0	0	0	3
Welder	4	1	0	0	5
Well Driller	5	1	0	2	4

TABLE 6

EMPLOYMENT BY INDUSTRY

INDUSTRY	JUNE, 1981 EMPLOYMENT	ANNUAL AVERAGE EMPLOYMENT *
TOTAL (non-agricultural Ind.)	291,449	280,627
Mining	8,705	7,594
Construction	15,634	14,728
Manufacturing	23,727	23,570
Transportation, Communications & Public Utilities	23,725	23,008
Wholesale Trade	19,208	17,555
Retail Trade	55,830	54,712
Finance, Insurance and Real Estate	12,925	12,863
Service and Miscellaneous	57,839	55,956
Public Admininstration **	73,856	70,611

SOURCE: CURRENT EMPLOYMENT STATISTICS PROGRAM.

* Figures from 1980 data.

** Includes all civilian employees of federal, state, and locan government regardless of the activity in which the employee is engaged.

TABLE 7

JOB SERVICE JOB OPENINGS AVAILABLE BY INDUSTRY

QUARTER ENDING JUNE 30, 1981

SIC	INDUSTRY	JOBS RECEIVED DURING QUARTER	JOBS FILLED DURING QUARTER
	TOTAL	14,326	12,133
01-07	Agriculture	1,212	1,079
10-14	Mining	249	195
15-17	Construction	691	618
20-39	Manufacturing	921	785
40-49	Transportation, Commun., & Public Utilities	1,114	985
50-51	Wholesale Trade	701	594
52-59	Retail Trade	3,467	2,852
60-67	Finance, Insurance, & Real Estate	412	300
70-89	Service	4,500	3,832
91-97	Public Administration	1,015	849
	Nonclassifiable	44	44

SOURCE: ESARS TABLE 12.

TABLE 8

STATUS OF JOB SERVICE OPENINGS BY OCCUPATIONAL CATEGORY

QUARTER ENDING JUNE 30, 1981

OCCUPATION	OPENINGS START OF QUARTER	OPENINGS RECEIVED DURING QUARTER	OPENINGS FILLED DURING QUARTER	POSITIONS UNFILLED END OF QUARTER	POSITIONS OPEN 30 DAYS OF MORE
TOTAL*	2,223	15,643	13,476	2,314	1,318
Prof., Tech., Mgr.	513	1,427	1,137	591	455
Clerical, Sales	457	3,054	2,304	514	240
Service	550	4,807	4,224	555	270
Agricultural	268	951	857	113	68
Processing	19	159	158	12	10
Machine Trades	49	509	405	72	29
Bench Work	19	106	86	26	23
Structural	139	1,021	949	117	61
Miscellaneous	199	3,601	3,340	313	161
Invalid Codes	10	8	16	1	1

* Totals across matrix will not balance as job openings are periodically cancelled.
SOURCE: ESARS TABLE 96.

TABLE 9

JOB SERVICE LISTED JOB OPENINGS
OCCUPATIONS WITH 10 OR MORE OPENINGS
END OF QUARTER -- JUNE 30, 1981

DOT CODE	OCCUPATIONAL TITLE	UNFILLED-START OF QUARTER	RECEIVED DURING QUARTER	FILLED DURING QUARTER	UNFILLED - END OF QUARTER	OPEN 30 DAYS OR MORE
075-374-010	Nurse, General Duty	7	11	6	11	10
091-227-010	Teacher, Secondary	100	434	383	138	132
092-227-010	Teacher, Elementary	125	469	425	147	133
201-362-030	Secretary	29	147	91	32	12
203-362-010	Clerk-Typist	15	136	109	23	12
203-582-030	Keypunch Operator	8	44	29	15	5
209-562-010	Clerk, General	23	238	205	29	7
210-382-014	Bookkeeper, Full Charge	17	111	80	22	8
211-462-010	Cashier II	18	143	112	18	8
219-362-010	Administrative Clerk	27	257	174	46	24
235-662-022	Telephone Operator	1	49	29	12	4
237-367-038	Receptionist	19	98	67	14	6
238-362-010	Hotel Clerk	8	48	35	10	3
279-357-054	Salesperson, General	7	53	26	14	5
290-477-014	Sales Clerk	47	255	208	27	11
301-474-010	Houseworker, General		175	164	12	5
311-477-014	Counter Attendant	96	359	293	74	41
313-361-014	Cook (Hotel and Restaurant)	39	259	192	41	21
318-687-010	Kitchen Helper	14	312	267	29	12
323-687-014	Cleaner, Housekeeper	50	391	282	44	14
355-674-014	Nurse's Aide	27	110	108	21	12
382-664-010	Janitor	94	309	292	70	56
620-261-010	Auto Mechanic	10	76	30	19	9
869-664-014	Construction Worker	17	251	237	13	5
905-663-014	Truck Driver, Heavy	8	88	34	12	9
915-467-010	Auto Service Station Attendant	10	72	58	10	6
929-687-030	Material Handler	47	2,010	1,915	117	32
950-382-026	Stationary Engineer	42	55	62	31	31

SOURCE: ESARS TABLE 96.

TABLE 10
DISTRIBUTION OF EMPLOYMENT
BY MAJOR OCCUPATIONAL GROUP
1976 AND PROJECTED 1985

MAJOR OCCUPATIONAL GROUP	1976 EMPLOYMENT	1976 PERCENT DISTRIBUTION	PROJECTED 1985 EMPLOYMENT	PROJECTED 1985 PERCENT DISTRIBUTION	PERCENT CHANGE 1976-1985
TOTAL ALL OCCUPATIONS	314,750	100.0	417,380	100.0	32.6
WHITE COLLAR WORKERS	148,650	47.2	201,960	48.4	35.9
Professional, Technical and Kindred	46,210	14.7	62,170	14.9	34.5
Managers, Officials, and Properietors	40,780	13.0	54,900	13.2	34.6
Sales Workers	16,990	5.4	22,140	5.3	30.3
Clerical Workers	44,670	14.2	62,750	15.0	40.5
BLUE COLLAR WORKERS	87,180	27.7	116,890	28.0	34.1
Craft and Kindred Workers	39,470	12.5	55,740	13.4	41.2
Operatives	32,120	10.2	41,060	9.8	27.8
Laborers, Except Farmers	15,590	5.0	20,090	4.8	28.9
SERVICE WORKERS	46,790	14.9	66,430	15.9	42.0
FARMERS AND FARM WORKERS	32,130	10.2	32,100	7.7	-0.1

SOURCE: MONTANA INDUSTRY/OCCUPATION PROJECTIONS, FIFTH EDITION.

TABLE 11

TOTAL EMPLOYMENT BY OCCUPATIONAL CATEGORY
1976-1985

OCCUPATIONAL GROUP	1976	1985	PERCENT CHANGE
TOTAL ALL OCCUPATIONS	314,750	417,380	32.6
Professional, Technical and Kindred	46,210	62,170	34.5
Engineers, Technical	2,410	3,220	33.6
Life and Physical Scientist	1,480	1,830	23.4
Mathematical Specialist	70	90	33.3
Engineers, Science Tech.	2,850	3,870	35.8
Medical Workers, Exc. Tech.	6,300	9,440	49.8
Health Technol. & Tech.	1,420	2,040	43.1
Technicians, Exc. Health	1,010	1,370	35.0
Computer Specialist	440	590	36.3
Social Scientists	390	570	45.5
Teachers	15,200	20,700	36.1
Writers, Artists, Entertainers	3,040	4,090	34.7
Other Professional, Technical	11,600	14,380	23.9
Managers, Officials, Proprietors	40,780	54,900	34.6
Buyers, Sales, Loan Managers	5,270	8,151	54.8
Administrators, Pub. Inspectors	5,340	7,300	36.7
Other Managers, Officials, Props.	30,170	39,450	30.8
Sales Workers	16,990	22,140	30.3
Clerical Workers	44,670	62,750	40.5
Stenographers, Typists, Secretaries	12,320	17,680	43.6
Office Machine Operators	1,200	1,340	11.7
Other Clerical Workers	31,150	43,730	40.4
Craft & Kindred Workers	39,470	55,740	41.2
Construction Craft Workers	13,850	21,180	52.9
Blue Collar Worker Supv., N.E.C.	3,810	5,310	39.3
Metalworking Craft Workers, Exc.Mec	1,750	2,360	34.3
Printing Trade Craft Workers	840	830	-1.2
Trans., P.U. Craft	2,030	3,080	51.6
Other Craft, Kindred Workers	5,210	6,820	30.8

SOURCE: MONTANA INDUSTRY/OCCUPATION PROJECTIONS, FIFTH EDITION.

TABLE 11

TOTAL EMPLOYMENT BY OCCUPATIONAL CATEGORY
1976-1985

OCCUPATIONAL GROUP	1976	1985	PERCENT CHANGE
Operatives	32,120	41,060	27.8
Operatives, Exc. Transport	20.080	26,190	30.4
Transport Equip. Operatives	12,040	14,880	23.5
Service Workers	46,790	66,430	42.0
Cleaning Service Workers	9,850	14,100	43.1
Food Service Workers	19,420	27,890	43.6
Health Service Workers	6,360	9,910	55.7
Personal Service Workers	6,480	8,960	38.4
Protective & Service Workers	2,860	4,170	46.1
Private Household Workers	1,860	1,410	-24.2
Laborers, Except Farm	15,590	20.090	28.9
Farmers & Farm Workers	32,130	32,100	-0.1
Farmers & Farm Managers	18,220	19,670	7.9
Farm Laborers, Farm Supvrs.	13,900	12,430	-10.6

TABLE 12
TOTAL ANNUAL AVERAGE JOB OPENINGS
DUE TO GROWTH AND LABOR FORCE SEPARATIONS
BY SELECTED OCCUPATIONAL GROUP
1976-1985

OCCUPATIONAL GROUP	OPENINGS DUE TO GROWTH	OPENINGS DUE TO SEPARATIONS	TOTAL OPENINGS	PERCENT OF TOTAL
TOTAL ALL OCCUPATIONS	11,400	12,360	23,770	100.0
Professional, Technical & Kindred	1,770	1,530	3,300	13.9
Engineers, Technical	90	40	130	0.6
Life and Physical Scientist	40	30	70	0.3
Mathematical Specialist	*	*	*	0.0
Engineers, Science Tech.	110	50	160	0.7
Medical Workers, Exc. Tech.	350	240	590	2.5
Health Technol. & Tech.	70	40	110	0.5
Technicians, Exc. Health	40	30	70	0.3
Computer Specialist	20	*	20	0.1
Social Scientists	20	10	30	0.1
Teachers	610	600	1,210	5.1
Writers, Artists, Entertainers	120	90	210	0.9
Other Professional, Technical	310	400	710	3.0
Managers, Officials, Proprietors	1,570	1,830	3,400	14.2
Buyers, Sales, Loan Managers	320	180	500	2.1
Administrators, Pub. Inspectors	220	280	500	2.1
Other Managers, Officials, Prop.	1,030	1,380	2,410	10.1
Sales Workers	570	700	1,270	5.3
Clerical Workers	2,010	1,770	3,780	15.9
Stenographers, Typists, Secre.	600	500	1,100	4.6
Office Machine Operators	20	30	50	0.2
Other Clerical Workers	1,400	1,240	2,640	11.1
Craft & Kindred Workers	1,810	1,250	3,060	12.9
Construction Craft Workers	810	490	1,300	5.5
Blue Collar Workers Supv., N.E.	170	130	300	1.3
Metalworking Craft Wrks.Exc.Mec.	70	50	120	0.5
Mechanics, Repairers/Installers	470	320	790	3.3

* Denotes occupations with annual openings less than 10.
SOURCE: MONTANA INDUSTRY/OCCUPATIONS PROJECTIONS, FIFTH EDITION.

TABLE 12 (cont.)
TOTAL ANNUAL AVERAGE JOB OPENINGS
DUE TO GROWTH AND LABOR FORCE SEPARATIONS
BY SELECTED OCCUPATIONAL GROUP
1976-1985

OCCUPATIONAL GROUP	OPENINGS DUE TO GROWTH	OPENINGS DUE TO SEPARATIONS	TOTAL OPENINGS	PERCENT OF TOTAL
Printing Trade Craft Workers	*	20	20	0.1
Trans., P.U. Craft	120	40	160	0.7
Other Craft, Kindred Workers	180	190	370	1.6
Operatives	990	840	1,830	7.7
Operatives, Exc. Transport	680	560	1,240	5.2
Transport Equip, Operatives	310	280	590	2.5
Service Workers	2,180	2,400	4,580	19.3
Cleaning Service Workers	470	640	1,110	4.7
Food Service Workers	940	870	1,810	7.6
Health Service Workers	390	300	690	2.9
Personal Service Workers	280	370	650	2.7
Protective & Service Workers	150	130	280	1.2
Private Household Workers	-50	90	40	0.2
Laborers, Except Farm	500	450	950	4.0
Laborers & Farm Workers	*	1,590	1,590	6.7
Farmers & Farm Managers	160	1,140	1,300	5.5
Farm Laborers, Farm Supervisors	-160	460	300	1.3

TABLE 13

SELECTED OCCUPATIONS HAVING
HIGH GROWTH RATES 1976 - 1985

OCCUPATION	TOTAL EMPLOYMENT 1976	TOTAL EMPLOYMENT 1985	PERCENT CHANGE
Professional, Technical, Kindred			
Chiropractors	90	137	52.2
Dentist	471	728	54.6
Optometrists	414	793	91.6
Podiatrists	129	234	81.4
Therapists	535	876	63.7
Veterinarians	105	167	59.0
Clinical Lab Technicians	619	934	50.9
Radiologic Technician	306	482	57.5
Airplane Pilots	195	311	59.5
Urban & Regional Planners	64	111	73.4
Elementary School Teachers	6,387	10,144	58.8
Preschool, Kindergarten	838	1,506	79.7
Atheletes & Kindred Workers	231	324	56.7
Architects	216	325	50.5
Clergy	1,032	1,580	53.1
Religious, except Clergy	222	341	53.6
Managers, Officials, Proprietors			
Bank, Financial Managers	2,073	3,523	70.0
Buyer, Wholesale, Retail	395	615	55.7
School Administrator elem., secondary	1,379	2,318	68.1
Managers, Superintendents, Buildings	398	601	51.0
Railroad Conductors	385	665	72.7

SOURCE: MONTANA INDUSTRY/OCCUPATION PROJECTIONS, FIFTH EDITION.

TABLE 13 (cont.)

SELECTED OCCUPATIONS HAVING
HIGH GROWTH RATES 1976 - 1985

OCCUPATION	TOTAL EMPLOYMENT 1976	TOTAL EMPLOYMENT 1985	PERCENT CHANGE
Clerical Workers			
Secretaries, Legal	388	590	52.1
Secretaries, Medical	240	517	115.4
Secretaries, Other	8,692	13,153	51.3
Billings Clerk	397	721	81.6
Meter Reader, Utilities	131	238	81.7
Teacher Aides, exc. Monitors	1,203	2,606	116.6
Miscellaneous Clerk Workers	2,933	6,139	109.3
Craft & Kindred Workers			
Carpenters and Apprentices	5,767	8,770	52.1
Bulldozer Operators	798	1,361	70.6
Cement & Concrete Finishers	136	262	92.7
Electricians & Apprentices	1,850	2,881	55.7
Plumbers, Pipefitters	1,336	2,061	54.3
Structural Metal Craft Workers	240	450	87.5
Air Cond., Heating, Refrig. Mechanic	345	487	75.4
Household Appliance Mechanic	528	874	65.5
Office Machine Repairs	222	422	90.1
Electric Power Line Installer, Repairs	437	858	96.3
Glaziers	136	216	58.8
Opticians, Lens Grinders, Polishers	278	512	84.2
Operatives			
Blasters	80	179	123.8

TABLE 13 (cont.)

SELECTED OCCUPATIONS HAVING
HIGH GROWTH RATES 1976 - 1985

OCCUPATION	TOTAL EMPLOYMENT 1976	TOTAL EMPLOYMENT 1985	PERCENT CHANGE
Operatives			
Drillers, Earth	644	980	52.2
Photographic Process Workers	178	292	64.0
Rail Vehicle Operators	131	296	126.0
Railroad Brake Operators	508	779	53.4
Service Workers			
Lodging Quarter Cleaners, exc. Private	1,349	2,550	89.0
Building Interior Cleaners, nec.	3,334	5,154	54.6
Food Counter, Fountain Workers	1,274	2,048	60.8
Dental Assistants	397	792	99.5
Health Aides, exc. Nursing	673	1,196	77.7
Practical Nurses	1,384	2,272	64.2
Child Care Workers, exc. Private	1,990	3,748	88.3
Guards	807	1,221	51.3
Police & Detectives	1,158	1,776	52.5
Farmers and Farm Workers			
Farm Managers	860	2,015	134.3

TABLE 14

SELECTED OCCUPATIONS HAVING
ANNUAL AVERAGE OPENINGS GREATER THAN 100

OCCUPATION	ANNUAL AVERAGE OPENINGS
Professional, Technical, Kindred	
Registered Nurses	269
Elementary School Teachers	735
Preschool, Kindergarten	112
Secondary School Teachers	264
Accountants	179
Clergy	116
Managers, Officials, Proprietors	
Bank, Financial Managers	232
Sales Manager, Retail Trade	107
Officials, Administrators, Public	152
School Admin. Elementary, Secondary	158
Office Managers, nec.	158
Restaurant, Cafe, Bar Managers	210
Sales Workers	
Insurance Agents, Brokers, etc.	107
Real Estate Agents, Brokers	145
Clerical Workers	
Secretaries, other	870
Typist	142
Bookkeepers	491
Cashiers	313
Counter Clerks, exc. Food	161
Receptionist	176
Teachers Aides, exc. Monitors	211
Miscellaneous Clerical Workers	507

TABLE 14 (cont.)

SELECTED OCCUPATIONS HAVING
ANNUAL AVERAGE OPENINGS GREATER THAN 100

OCCUPATION	ANNUAL AVERAGE OPENINGS
Craft and Kindred Workers	
Carpenters and Apprentices	583
Electricians and Apprentices	168
Excavating, Grading, Machine Operators	184
Plumbers, Pipefitters, Apprentices	132
Auto Mechanics and Apprentices	232
Heavy Equipment Mechanics	195
Operatives	
Welders and Flame Cutters	124
Garage Workers, Gas Station Attendants	123
Laundry, Dry Cleaning Operators	101
Mine Operatives	108
Sawyers	108
Miscellaneous Machine Operators	124
Delivery and Route Workers	129
Truck Drivers	271
Service	
Lodging Quarter Cleaners	223
Building Interior Cleaners	438
Janitors and Sextons	447
Bartenders	277
Cooks	613
Dishwashers	116
Food Counter, Fountain Workers	133
Waiters	516
Nurses Aides, Orderlies	369
Practical Nurses	180

TABLE 14 (cont.)

SELECTED OCCUPATIONS HAVING
ANNUAL AVERAGE OPENINGS GREATER THAN 100

OCCUPATION	ANNUAL AVERAGE OPENINGS
Service	
Child Care Workers	344
Hairdressers, Cosmetologist	117
Guards	120
Laborers, exc. Farm	
Construction Laborer	169
Freight, Material Handlers	130
Gardeners, Groundskeeper	149
Stock Handlers	128
Farmers and Farm Workers	
Farm Managers	215
Farm Laborers, Wage Workers	171

TABLE 15

SELECTED OCCUPATIONS HAVING
NEGATIVE GROWTH RATE 1976-1985

OCCUPATION	TOTAL EMPLOYMENT 1976	TOTAL EMPLOYMENT 1985	PERCENT CHANGE
Professional, Technical, Kindred			
Atmospheric, Space Scientist	241	224	-7.1
Farm Management Advisors	105	55	-47.6
Research Workers, Inc.	439	350	-20.3
College & University Teachers	2,232	1,769	-20.7
Manager, Official, Proprietors			
Postmasters and Mail Supervisors	296	227	-23.3
School Administrators, College	302	266	-10.9
Officials of Lodges, Unions	275	180	-34.5
Sales Workers			
Newspaper Carrier & Vendors	404	343	-15.1
Clerical Workers			
Stenographers	766	573	-25.2
Keypunch Operators	498	392	-21.3
Mail Carriers, Post Office	777	648	-16.6
Postal Clerks	831	616	-25.9
Telegraph Operators	207	168	-18.8
Enumerators & Interviewers	602	395	-65.6
Crafts and Kindred Workers			
Blacksmiths	43	25	-41.9
Compositors and Typesetters	528	474	-10.2

SOURCE: MONTANA INDUSTRY/OCCUPATION PROJECTIONS, FIFTH EDITION.

TABLE 15 (cont.)

SELECTED OCCUPATIONS HAVING
NEGATIVE GROWTH RATE 1976-1985

OCCUPATION	TOTAL EMPLOYMENT 1976	TOTAL EMPLOYMENT 1985	PERCENT CHANGE
Crafts and Kindred Workers			
Locomotive Engineer Helpers	75	64	-14.7
Bakers	388	387	-0.3
Operatives			
Grinding Machine Operatives	63	55	12.7
Clothing Ironers & Pressers	310	286	-7.7
Filer, Polisher, Sander, Buffer	150	146	-2.7
Bus Driver	1,547	1,302	-15.8
Taxicab Drivers, Chauffeurs	233	228	-2.2
Service Workers			
Baggage Porters & Bellhops	77	40	-48.1
Barbers	577	481	16.6
Elevator Operators	72	67	-6.9
Child Care Workers, Private	1,297	1,007	-22.4
Housekeepers, Private	170	109	-35.9
Farmers and Farm Workers			
Farm Laborers, Wage Workers	12,042	10,020	-16.8

GLOSSARY OF TERMS

ACTIVE APPLICANT:	Person considered currently available for referral to job openings or employability development services.
CIVILIAN LABOR FORCE:	The number of persons 16 years and older, employed or unemployed, excluding members of the Armed Forces.
CURRENT EMPLOYMENT STATISTICS PROGRAM:	Prepares monthly estimates of current non-agricultural employment, hours, and earnings.
DOT (Dictionary of Occupational Titles):	A publication which lists about 20,000 jobs with concise definitions. A nine digit coding system is used for occupational classification.
ESARS (Employment Service Automated Reporting System):	Primarily concerned with providing cumulative data on individuals being served by Job Service. Some industry data is also provided.
LABOR DEMAND:	The number of job oppportunties in specific occupations.
LABOR SUPPLY:	The number of individuals who are qualified for and seeking work in a specific occupation.
PARTIAL APPLICANTS:	An applicant who has completed a minimum of entries on the application record, and who has not been assigned an occupational code.

EMPLOYMENT SECURITY DIVISION
OF MONTANA
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The Montana State Employment Security Division maintains 24 local Job Service offices in the principal cities of Montana. You are invited to call on any of these offices for assistance in filling positions in your organization, additional labor market information, and for other services in connection with your employment problems.

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